

#5



PCT09

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/914,277

DATE: 04/25/2002

TIME: 11:57:54

Input Set : A:\chopp.ST25.txt

Output Set: N:\CRF3\04252002\I914277.raw

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3 <110> APPLICANT: Chopp, Michael
4   Wang, Lei
5   Mikkelsen, Tom
6   Dou, Dexian
8 <120> TITLE OF INVENTION: AN ANTI-ANGIOGENIC KRINGLE PROTEIN AND ITS MUTANTS
10 <130> FILE REFERENCE: 1059.00051
12 <140> CURRENT APPLICATION NUMBER: 09/914,277
C--> 13 <141> CURRENT FILING DATE: 2001-08-27
15 <150> PRIOR APPLICATION NUMBER: 60/166,176
16 <151> PRIOR FILING DATE: 1999-11-18
18 <150> PRIOR APPLICATION NUMBER: 60/121,341
19 <151> PRIOR FILING DATE: 1999-02-24
21 <150> PRIOR APPLICATION NUMBER: 60/121,633
22 <151> PRIOR FILING DATE: 1999-02-25
24 <160> NUMBER OF SEQ ID NOS: 72
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 33
30 <212> TYPE: DNA
31 <213> ORGANISM: homo sapien
33 <400> SEQUENCE: 1
34 ctctcagagt gcaagactgg gaatggaaaag aac
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 30
39 <212> TYPE: DNA
40 <213> ORGANISM: homo sapien
42 <400> SEQUENCE: 2
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46 <210> SEQ ID NO: 3
47 <211> LENGTH: 30
48 <212> TYPE: DNA
49 <213> ORGANISM: homo sapien
51 <400> SEQUENCE: 3
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55 <210> SEQ ID NO: 4
56 <211> LENGTH: 33
57 <212> TYPE: DNA
58 <213> ORGANISM: homo sapien
60 <400> SEQUENCE: 4
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64 <210> SEQ ID NO: 5
65 <211> LENGTH: 34
66 <212> TYPE: DNA

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67 <213> ORGANISM: homo sapien
69 <400> SEQUENCE: 5
70 ggaattccat atggaagaag actgtatggt tgagg          34
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 34
75 <212> TYPE: DNA
76 <213> ORGANISM: homo sapien
78 <400> SEQUENCE: 6
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82 <210> SEQ ID NO: 7
83 <211> LENGTH: 34
84 <212> TYPE: DNA
85 <213> ORGANISM: homo sapien
87 <400> SEQUENCE: 7
88 ggaattccat atgcacagcc accgcgactt ccag          34
91 <210> SEQ ID NO: 8
92 <211> LENGTH: 33
93 <212> TYPE: DNA
94 <213> ORGANISM: homo sapien
96 <400> SEQUENCE: 8
97 ccgggatccc tacttggagg cagtcatgaa gct          33
100 <210> SEQ ID NO: 9
101 <211> LENGTH: 34
102 <212> TYPE: DNA
103 <213> ORGANISM: homo sapien
105 <400> SEQUENCE: 9
106 ggaattccat atgcacagcc accgcgaact ccag          34
109 <210> SEQ ID NO: 10
110 <211> LENGTH: 33
111 <212> TYPE: DNA
112 <213> ORGANISM: homo sapien
114 <400> SEQUENCE: 10
115 ccgggatccc tacttggagg cagtcatgaa gct          33
118 <210> SEQ ID NO: 11
119 <211> LENGTH: 31
120 <212> TYPE: DNA
121 <213> ORGANISM: homo sapien
123 <400> SEQUENCE: 11
124 ggaattccat aacagtgaact gctactttgg g          31
127 <210> SEQ ID NO: 12
128 <211> LENGTH: 34
129 <212> TYPE: DNA
130 <213> ORGANISM: homo sapien
132 <400> SEQUENCE: 12
133 ggaattccat atgggtggag caggagggca catc          34
136 <210> SEQ ID NO: 13
137 <211> LENGTH: 33
138 <212> TYPE: DNA
139 <213> ORGANISM: homo sapien

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141 <220> FEATURE:
W--> 142 <221> NAME/KEY: n
143 <222> LOCATION: (1)..(33)
144 <223> OTHER INFORMATION: n is an NdeI restriction enzyme cut
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W--> 148 ggaattcnat agataccagg gccacgtgct acg 33
151 <210> SEQ ID NO: 14
152 <211> LENGTH: 28
153 <212> TYPE: DNA
154 <213> ORGANISM: homo sapien
156 <220> FEATURE:
W--> 157 <221> NAME/KEY: n
158 <222> LOCATION: (1)..(28)
159 <223> OTHER INFORMATION: n is a BamHI restriction enzyme cut
162 <400> SEQUENCE: 14
W--> 163 ccgnttagtt tccctacagag caggcagg 28
166 <210> SEQ ID NO: 15
167 <211> LENGTH: 29
168 <212> TYPE: DNA
169 <213> ORGANISM: homo sapien
171 <220> FEATURE:
W--> 172 <221> NAME/KEY: n
173 <222> LOCATION: (1)..(29)
174 <223> OTHER INFORMATION: n is an NdeI restriction enzyme cut
177 <400> SEQUENCE: 15
W--> 178 ggaattcnaa cagtgactgc tactttggg 29
181 <210> SEQ ID NO: 16
182 <211> LENGTH: 28
183 <212> TYPE: DNA
184 <213> ORGANISM: homo sapien
186 <220> FEATURE:
W--> 187 <221> NAME/KEY: n
188 <222> LOCATION: (1)..(28)
189 <223> OTHER INFORMATION: n is a BamHI restriction enzyme cut
192 <400> SEQUENCE: 16
W--> 193 ccgnttaggt ggagcaggag ggcacatc 28
196 <210> SEQ ID NO: 17
197 <211> LENGTH: 33
198 <212> TYPE: DNA
199 <213> ORGANISM: homo sapien
201 <220> FEATURE:
W--> 202 <221> NAME/KEY: n
203 <222> LOCATION: (1)..(33)
204 <223> OTHER INFORMATION: n is an NdeI restriction enzyme cut
207 <400> SEQUENCE: 17
W--> 208 ggaattcnat agataccagg gccacgtgct acg 33
211 <210> SEQ ID NO: 18
212 <211> LENGTH: 28
213 <212> TYPE: DNA

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214 <213> ORGANISM: homo sapien
216 <220> FEATURE:
W--> 217 <221> NAME/KEY: n
218 <222> LOCATION: (1)..(28)
219 <223> OTHER INFORMATION: n is a BamHI restriction enzyme cut
222 <400> SEQUENCE: 18
W--> 223 ccgnttaggt ggagcaggag ggcacatc 28
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228 <212> TYPE: DNA
229 <213> ORGANISM: homo sapien
231 <400> SEQUENCE: 19
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236 <211> LENGTH: 32
237 <212> TYPE: DNA
238 <213> ORGANISM: homo sapien
240 <400> SEQUENCE: 20
241 gccacggtag gctttcccat tcccaaagta gc 32
244 <210> SEQ ID NO: 21
245 <211> LENGTH: 32
246 <212> TYPE: DNA
247 <213> ORGANISM: homo sapien
249 <400> SEQUENCE: 21
250 cctgataggc aaggttcaca gcacagaacc cc 32
253 <210> SEQ ID NO: 22
254 <211> LENGTH: 34
255 <212> TYPE: DNA
256 <213> ORGANISM: homo sapien
258 <400> SEQUENCE: 22
259 ggggttctgt gctgtgaaaa ccttgccat cagg 34
262 <210> SEQ ID NO: 23
263 <211> LENGTH: 32
264 <212> TYPE: DNA
265 <213> ORGANISM: homo sapien
267 <400> SEQUENCE: 23
268 gtttacacag cacagacccc cagtgccag gc 32
271 <210> SEQ ID NO: 24
272 <211> LENGTH: 32
273 <212> TYPE: DNA
274 <213> ORGANISM: homo sapien
276 <400> SEQUENCE: 24
277 gcctgggcac tgggggtctg tgctgtgtaa ac 32
280 <210> SEQ ID NO: 25
281 <211> LENGTH: 32
282 <212> TYPE: DNA
283 <213> ORGANISM: homo sapien
285 <400> SEQUENCE: 25
286 gtgcccaggc actggaactg ggcaaacata at 32

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Input Set : A:\chopp.ST25.txt
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289 <210> SEQ ID NO: 26
290 <211> LENGTH: 32
291 <212> TYPE: DNA
292 <213> ORGANISM: homo sapien
294 <400> SEQUENCE: 26
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298 <210> SEQ ID NO: 27
299 <211> LENGTH: 34
300 <212> TYPE: DNA
301 <213> ORGANISM: homo sapien
303 <400> SEQUENCE: 27
304 cctgatgggg atgccggttg cccctgggtgc cacg          34
307 <210> SEQ ID NO: 28
308 <211> LENGTH: 34
309 <212> TYPE: DNA
310 <213> ORGANISM: homo sapien
312 <400> SEQUENCE: 28
313 cgtggcacca ggggccaccg gcatacccat cagg          34
316 <210> SEQ ID NO: 29
317 <211> LENGTH: 33
318 <212> TYPE: DNA
319 <213> ORGANISM: homo sapien
321 <400> SEQUENCE: 29
322 gccaagccct ggtgctatgt gctgaagaac cgc          33
325 <210> SEQ ID NO: 30
326 <211> LENGTH: 33
327 <212> TYPE: DNA
328 <213> ORGANISM: homo sapien
330 <400> SEQUENCE: 30
331 gcggtttttc agcacatagc accagggtctt ggc          33
334 <210> SEQ ID NO: 31
335 <211> LENGTH: 34
336 <212> TYPE: DNA
337 <213> ORGANISM: homo sapien
339 <400> SEQUENCE: 31
340 ccgcaggctg acgtatgatt actgtgatgt gccc          34
343 <210> SEQ ID NO: 32
344 <211> LENGTH: 34
345 <212> TYPE: DNA
346 <213> ORGANISM: homo sapien
348 <400> SEQUENCE: 32
349 gggcacatca cagtaataat acgtcagcct gcgg          34
352 <210> SEQ ID NO: 33
353 <211> LENGTH: 25
354 <212> TYPE: DNA
355 <213> ORGANISM: homo sapien
357 <400> SEQUENCE: 33
358 cagtgactgc atgtttggga atggg          25
361 <210> SEQ ID NO: 34

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/25/2002
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Input Set : A:\chopp.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 8
Seq#:14; N Pos. 4
Seq#:15; N Pos. 8
Seq#:16; N Pos. 4
Seq#:17; N Pos. 8
Seq#:18; N Pos. 4

VERIFICATION SUMMARY

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Input Set : A:\chopp.ST25.txt

Output Set: N:\CRF3\04252002\I914277.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:142 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:157 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:187 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:202 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:217 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:782 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (70) SEQUENCE: